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THIRTY-SEVENTH ANNUAL REPORT

OF THE

PRESIDENT AND DIRECTORS

OF

THE CHICAGO & ALTON RAILROAD COMPANY

FOR THE

YEAR ENDING DECEMBER 31, 1899.

ISSUED APRIL, 1900.

CHICAGO.
1900.

ANNUAL MEETING OF STOCKHOLDERS.

CHICAGO, ILL., March 12, 1900.

The Stockholders of The Chicago & Alton Railroad Company are hereby notified that the Annual Meeting of said Company for the Election of Directors, and transaction of such other business as may be presented will be held at the Company's office in Chicago, Illinois, on Monday, the 2d day of April next, at 11 o'clock a. m.

The transfer books will be closed at the close of business hours on the 20th inst. and reopened on the 3d day of April next, at 11 a. m.

ALEXANDER MILLAR,
SECRETARY.

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DIRECTORS.

C. H. Chappell ..... Chicago.
R. C. Clowry ..... Chicago.
J. W. Doane ..... Chicago.
S. M. Felton ..... Chicago.
E. H. Harriman ..... New York.
W. H. Henkle ..... Chicago.
J. C. Hutchins ..... Chicago.
M. L. Schiff ..... New York.
W. A. Simonson ..... New York.

EXECUTIVE COMMITTEE.

E. H. Harriman, Chairman.

J. W. Doane. M. L. Schiff.
S. M. Felton. W. A. Simonson.

GENERAL OFFICERS.

S. M. Felton ..... President.
Alex. Millar ..... Secretary.
Horace E. R. Wood ..... Treasurer.
Chas. H. Davis ..... Auditor.
William Brown ..... General Solicitor.
Willis E. Gray ..... General Superintendent.
F. A. Wann ..... General Freight Agent.
Geo. J. Charlton ..... General Passenger and Ticket Agent.
H. C. Draper ..... Chief Engineer.
H. Monkhouse ..... Superintendent of Machinery.
Clarence Price ..... Purchasing Agent.
A. Griggs ..... Superintendent Eastern Division.
W. H. Starr ..... Superintendent Western Division.

THIRTY-SEVENTH ANNUAL REPORT.

To the Stockholders of The Chicago & Alton Railroad Company:

The Board of Directors submit the following report for the year ending December 31, 1899:

LENGTH OF ROAD OPERATED.

	MILES OF MAIN AND BRANCH LINES.		MILES OF SIDE TRACK.	LENGTH OF ALL TRACKS.
	FIRST MAIN TRACK.	ADDITIONAL MAIN TRACKS		
Chicago to East St. Louis	280.70	108.09	126.35	515.14
Coal City Line	24.48	.....	12.30	36.78
Dwight to Washington and Lacon	79.75	.....	6.62	86.37
Roodhouse to Kansas City	250.42	2.72	62.45	315.59
Bloomington to Wann, via Jacksonville Godfrey and Upper Alton	158.00	.....	19.85	177.85
Mexico to Cedar City	50.19	.....	3.42	53.61
Total Miles	843.54	110.81	230.99	1,185.34

CAPITAL STOCK.

Preferred shares	$ 3,479,500 00
Common shares	18,751,100 00
Total amount of stock	$22,230,600 00

MORTGAGE BONDS AND OTHER OBLIGATIONS.

Louisiana & Missouri River Railroad first mortgage 7 per cent bonds, due August 1, 1900, assumed by your company	$1,785,000 00	
Louisiana & Missouri River Railroad second mortgage 7 per cent bonds, due November 1, 1900	300,000 00	
Chicago & Alton sinking fund 6 per cent gold bonds, due May 1, 1903	1,663,000 00	
Consolidated Chicago & Alton 6 per cent sterling bonds, due July 1, 1903—£900,000, say	4,379,850 00	
Three per cent refunding 50-year gold bonds, due October 1, 1949	9,986,000 00	
Mississippi River Bridge Company's first mortgage sinking fund 6 per cent bonds, due October 1, 1912, assumed by your company	470,000 00	
Total amount of bonds		$18,583.850 00
Joliet & Chicago stock, on which perpetual dividends at the rate of 7 per cent per annum are guaranteed	$1,500,000 00	
Louisiana & Missouri River guaranteed stock on which perpetual dividends of 7 per cent per annum are guaranteed	329,000 00	
Kansas City, St. Louis & Chicago Railroad stock, on which 6 per cent annual dividends are guaranteed	1,750,000 00	
Kansas City, St. Louis & Chicago Railroad common stock, on which dividends, not to exceed 7 per cent per annum, are contingent upon gross earnings	271,800 00	3,850,800 00
Total		$44,665,250 00

The capital stock of the company remains the same as at the beginning of the year.

The changes during the year in the amount of outstanding bonds issued or assumed by the company have been as follows:

Increase—3 per cent refunding 50-year gold bonds		$9,986,000 00
Decrease—Chicago & Alton sinking fund 6 per cent gold bonds redeemed and canceled	$ 32,000 00	
Mississippi River Bridge Company's first mortgage sinking fund 6 per cent bonds, paid and canceled	21,000 00	
		53,000 00
Net increase in outstanding bonded indebtedness		$9,933,000 00

REVENUE.

The gross receipts from traffic, and interest on temporary investments of surplus, during the last year were	$ 7,423,278 33
The total disbursements during the same period for operating expenses, taxes, rent of leased lines, interest on bonds, and dividends were	7,101,137 91
Balance	$ 322,140 42

INCOME ACCOUNT.

By balance, Dec. 31, 1898		$ 3,005,576 55
Add accrued interest on bonds owned to Jan. 1, 1899		37,490 00
Less accrued interest on bonds, etc	$ 94,608 34	$ 3,043,066 55
Old traffic balance (1875) written off	5,994 02	100,602 36
By balance Jan. 1, 1899		$ 2,942,464 19
By interest on bonds, dividends on stocks owned by your company and sundry receipts, year 1899		267,317 01
By gross receipts from traffic, year 1899		7,155,961 32
		$10,365,742 52

DISBURSEMENTS.

Interest on funded debt	$ 609,829 03	
Dividend on Louisiana & Missouri River Railroad Company's guaranteed preferred stock	23,030 00	
Dividends	1,556,142 00	
Rent paid Joliet & Chicago R. R. Co	105,000 00	
Rent paid Kansas City, St. Louis & Chicago R. R. Co.	315,000 00	
Paid for sinking fund gold bonds purchased	34,685 17	
Mississippi River Bridge Co. sinking fund	20,870 00	
Operating expenses, including taxes	4,471,266 88	
		$ 7,135,823 08
Balance, December 31, 1899		$ 3,229,919 44

The increased charge for interest on funded debt arises in respect of the issue of $9,986,000 of the new 3 per cent refunding 50-year gold bonds, the interest upon which, from the date of issue to the close of the year, amounted to $67,393.35. On the other hand, however, there was no interest charge in respect to the St. Louis, Jacksonville & Chicago R. R. second mortgage bonds which matured in the previous year, making the net increase in interest on funded debt $59,195.98.

The expenditures for operating and maintaining your railroad, compared with those of the preceding year, are as follows:

	INCREASE.	DECREASE.	PER CENT.
Maintenance of way and structures..	$ 55,163 87	.....	8.62
Maintenance of equipment.....	.....	$15,236 11	2.67
Conducting transportation.....	128,758 90	.....	4.99
General expenses	18,252 65	.....	9.86
Taxes	186,939 31	.....	4.70
	7,560 04	.....	2.52
	$194,499 35	.....	4.55

SUMMARY OF RECEIPTS AND EXPENSES.

1898.		1899.
$6,693,295 42	.....Earnings from all sources.....	$7,155,961 32
3,976,638 17	.....Operating expenses.....	4,163,577 48
300,129 36	..... Taxes	307,689 40
$2,416,527 89	.....Net receipts.....	$2,684,694 44
63.90	Per cent of operating expenses and taxes to gross receipts	62.47

Increase in gross receipts.....	$462,665.90
Increase in operating expenses.....	186,939.31
Increase in taxes	7,560.04
Increase in net receipts	$268,166.55

The increase in net receipts in 1899, compared with the net receipts in 1898, is 11.10 per cent.

RECEIPTS PER MILE.

1898.		1899.
$7,934 72	.....Gross receipts per mile of road.....	$8,483 25
5,069 99	....Operating expenses and taxes per mile of road....	5,300 60
$2,864 73	..... Net receipts per mile of road	$3,182 65

A detailed statement of the bonds, stocks, and lands owned by the company, which may be said to represent this balance, may be found on page 18 of this report.

The following statements show the receipts from traffic and the operating expenses during 1898 and 1899:

GROSS RECEIPTS.

PER CENT.	1898.		1899.	PER CENT.
31.73	$2,123,563 74	From Passengers	$2,226,732 54	31.12
61.40	4,109,934 24	" Freight	4,454,930 14	62.25
2.81	187,800 00	" Express	187,200 00	2.62
3.17	212,392 49	" Mails	225,620 31	3.15
.89	59,604 95	" Miscellaneous	61,478 33	.86
100.00	$6,693,295 42	Total earnings	$7,155,961 32	100.00

The gross receipts from traffic in 1899, compared with those of 1898, are as follows:

	INCREASE.	PER CENT.
From Passenger traffic	$103,168 80	4.86
" Freight "	344,995 90	8.40
" Mail "	13,227 82	6.23
" Miscellaneous "	1,273 38	.51
	$462,665 90	6.91

OPERATING EXPENSES.

PER CENT.	1898.		1899.	PER CENT.
9.56	$ 639,914 60	Maintenance of way, etc.	$ 695,078 47	9.72
8.52	570,232 88	Maintenance of equipment	554,996 77	7.75
38.57	2,581,384 08	Conducting transportation	2,710,142 98	37.87
2.76	185,106 61	General expenses	203,359 26	2.84
59.41	$3,976,638 17	Total	$4,163,577 48	58.18

The number of passengers transported during the year was 2,244,227, being 257,957, or 12.99 per cent more than in 1898.

Of these passengers 18,048 were military, moved on government account.

The number of through passengers transported was 138,244, being 26,365, or 23.57 per cent more than in 1898.

The number of local passengers transported was 2,105,983, being 221,592 or 11.76 per cent more than in 1898.

The proportion between through and local passengers was approximately, 6 through to 94 local.

The average distance traveled by passengers was 51.60 miles, or 1.20 of a mile less than in 1898.

The average fare per mile paid by all passengers was 1.92 cent, against 2.03 cents in 1898.

The average fare per mile paid by local passengers was 1.98 cent.

The average fare paid by through passengers was 1.84 cent.

From the above statements it will be seen that the average fare paid by through and by local passengers is very nearly the same per mile.

The freight transported during the year was 3,251,585 tons, increase compared with 1898, 413,069 tons, or 14.55 per cent.

Freight carried one mile in 1899, 557,469,083 tons, increase 61,268,632 tons, or 12.35 per cent.

The average rate per ton-mile, was 0.83 cent in 1898 and 0.80 cent in 1899.

The average distance which freight was transported was in 1898, 174.81 miles, and in 1899 171.44 miles.

A change has been made in the manner of accounting, the classification of the Interstate Commerce Commission being adopted, whereby the gross earnings are reported in full instead of being subjected, as heretofore, to deduction on account of sundry operating expense items, which latter are now shown in their proper place in the accounts as operating expenses. In order to afford a proper comparison with the earnings and expenses of the previous year, 1898, the figures for that year have been revised, and for this reason they do not conform to those put forth in the last published report, but, it will be noted the net results are unchanged.

Owing to the shortage of equipment and the inability of the company to take care of its business at its local stations even, your Board authorized the purchase of 1,500 thirty-ton box cars; 300 thirty-ton stock cars; 1,000 forty-ton coal cars; 800 fifty-ton coal cars; 200 thirty-ton furniture cars; 50 seventy-five-ton mogul engines; 10 one-hundred-ton consolidation engines; 12 seventy-ton passenger engines, and 5 seventy-ton switching engines.

Forty-seven of the locomotives, 1,000 box cars, 86 furniture cars, and 160 coal cars have been delivered during the period covered by this report.

Large contracts have been made for bridge work, including one contract for the entire reconstruction of Glasgow bridge. 42,000 tons of rails were contracted for during the year 1899 for delivery in that year and the coming year. Extensive work has also been undertaken in the way of grade reductions, and it is hoped when these improvements are completed that the road will be in a condition to fairly take care of the business offering and will be able to handle it in the most economical manner.

The thanks of the Board are due to the officers and employes for faithful service rendered during the year just closed.

By order of the Board,

S. M. FELTON,
PRESIDENT.

STATEMENTS.

TABLE A.

GENERAL BALANCE SHEET, December 31, 1899.

To Cost of Road and Equipment		$46,630,495 12
To Bonds of other Companies owned by C. & A. R. R. Co.		3,161,000 00
K. C., St. L. & C. R. R. Co.'s First Mortgage	$3,000,000 00	
Miss. River Bridge Co.'s " "	136,000 00	
Pawnee R. R. Co.'s " "	25,000 00	
To Stocks of other Companies owned by C. & A. R. R. Co.		1,072,392 74
K. C., St. L. & C. R. R. Co.'s common	157,600 00	
Miss. River Bridge Co.'s common	300,000 00	
Kansas City Union Depot Co.	45,000 00	
St. Louis Music Hall Association	5,000 00	
La. & Mo. River R. R. Co. common	268,061 04	
" " " " " " preferred	296,731 70	
To Lands owned by C. & A. R. R. Co.		53,445 50
To Cash and Current Assets		6,937,959 78
Cash Chicago office	335,555 73	
" New York agency	5,297,895 54	
U. S. Trust Co., amount applicable for redemption of sinking fund gold bonds	768,787 31	
Due from agents	181,295 61	
Due from solvent companies and individuals	317,010 59	
Accrued Interest on Bonds owned	37,415 00	
To Material and Supplies		613,512 31
To Illinois Trust & Savings Bank, Trustee		1,500 00
To Discount on Bonds		463,197 00
To Construction Expenditures for 1899		1,938,450 91
		$60,871,953 36

By Capital Stock		$22,230,600 00
Common stock	$18,751,100 00	
Preferred stock	3,479,500 00	
By Capital Stock Joliet & Chicago R. R., guaranteed		1,500,000 00
By Capital Stock Miss. River Bridge Co., "		300,000 00
By La. & Mo. River R. R. Co.'s guaranteed preferred stock		329,000 00
By Funded Debt		18,583,850 00
Consolidated sterling bonds	4,379,850 00	
La. & Mo. River R. R. Co.'s first mortgage bonds	1,785,000 00	
" " " " second " "	300,000 00	
Miss. River Bridge Co.'s bonds	470,000 00	
Three per cent refunding 50-year gold bonds	9,986,000 00	
Sinking fund gold bonds	1,663,000 00	
By Construction Expenditures, uncapitalized		12,444,177 66
By Current Liabilities		2,252,906 26
Audited vouchers and accounts	1,440,904 85	
Wages and salaries	270,226 53	
Traffic balances due other companies	298,510 27	
Unpaid dividends	11,008 64	
Unpaid coupons	7,107 80	
Accrued interest	169,478 34	
" rentals	55,669 83	
By New Common Stock, unissued		1,500 00
By Income Account		3,229,919 44
		$60,871,953 36

TABLE B.

INCOME ACCOUNT, December 31, 1899.

To Accrued Interest on Bonds to Jan. 1, 1899		$ 94,608 34
To Old Traffic Balance Written off (1875)		5,994 02
To Balance		2,942,464 19
		$3,043,066 55
To Operating Expenses and Taxes		4,471,266 88
Operating expenses	$4,163,577 48	
Taxes	307,689 40	
To Accrued Interest on Bonds		609,829 03
Three per cent refunding 50-year gold bonds $9,986,000.00 three per cent	67,393 35	
Consolid'd sterling bonds, $4,379,850.00 six per cent.	265,950 68	
La. & Mo. River R. R. Co.'s first mortgage bonds $1,785,000.00 seven per cent	124,950 00	
La. & Mo. River R. R. Co.'s second mortgage bonds, $300,000.00 seven per cent	21,000 00	
Sinking fund gold bonds, $1,663,000.00 six per cent	101,405 00	
Miss. River Bridge Co., first mortgage $470,000.00 six per cent	29,130 00	
To Dividend on La. & Mo. River R. R. Co.'s Guaranteed Preferred Stock, $329,000.00 seven per cent		23,030 00
To Miss. River Bridge Co., Sinking Fund		20,870 00
To Accrued Rental of Leased Lines		420,000 00
Joliet & Chicago R. R.	105,000 00	
K. C., St. L. & C. R. R.	315,000 00	
To Sinking Fund, Gold Bonds Purchased (32)		34,685 17
To Dividends		1,556,142 00
Preferred Stock, $3,479,500.00 seven per cent	243,565 00	
Common " $18,751,000.00 " " "	1,312,577 00	
To Balance		3,229,919 44
		$10,365,742 52

By Balance, Dec. 31, 1898		$3,005,576 55
Accrued interest on bonds owned Jan. 1, 1899		37,490 00
		$3,043,066 55
By Balance Jan. 1st, 1899		2,942,464 19
By Gross Earnings		7,155,961 32
By Interest on Bonds Owned		219,795 00
K. C., St. L. & C. R. R. Co.'s first mortgage bonds	$210,000 00	
Miss. River Bridge Co.'s first mortgage bonds	8,295 00	
Pawnee R. R. Co.'s " " "	1,500 00	
By Income from Grundy County Lands		747 60
By Interest and Discount		46,774 41
		$10,365,742 52
By Balance		$3,229,919 44

TABLE C.

ASSETS REPRESENTED BY BALANCE OF INCOME ACCOUNT, DECEMBER 31, 1899.

The balance of the income account, December 31, 1899, may be said to be represented by bonds, stocks, cash, and coal lands, as follows:

Kansas City, St. Louis & Chicago 7 per cent first mortgage bonds, due May 1, 1903, deposited with the United States Trust Company, as collateral security for Chicago & Alton 6 per cent sinking fund bonds...		$3,000,000 00
Less excess in amount of Chicago & Alton 6 per cent bonds, outstanding over cash deposited with the United States Trust Company for account of the sinking fund, December 31, 1899		894,213 00
		$2,105,787 00
Mississippi River Bridge Company first mortgage sinking fund 6 per cent bonds, due October 1, 1912, owned by this company.....		136,000 00
Pawnee Railroad 6 per cent bonds, due October 1, 1901, owned by this company.....		25,000 00
		$2,266,787 00
Kansas City, St. Louis & Chicago common stock.....	$157,600 00	
Total issue of the stock of the Mississippi River Bridge Company, on which 7 per cent dividends are guaranteed by your company	300,000 00	
Kansas City Union Depot shares on which dividends are paid.....	45,000 00	502,600 00
		$2,769,387 00
22,682 shares of Louisiana & Missouri River Common Stock..... / 9,893 shares of Louisiana & Missouri River Preferred Stock..... } cost.....		564,793 00
Cost of coal lands in Grundy county		53,445 00
Total computed at par or at cost.....		$3,387,625 00
Balance of income account, December 31, 1899		3,229,919 44
Excess.....		$ 157,705 56

Estimating the above bonds, stock and lands at actual values, the excess is much greater.

TABLE D.

STATISTICAL TABLE.

	1898	1899
Miles of road operated	843.54	843.54
Gross Receipts—		
Passenger	$2,123,563.74	$2,226,732.54
Freight	4,109,934.24	4,454,930.14
Mail	212,392.49	225,620.31
Express	187,800.00	187 200.00
Miscellaneous	59,604.95	61,478.33
Total	$6,693,295.42	$7,155,961.32
Operating Expenses and Taxes—		
Maintenance of way and structures	$ 639,914.69	$ 695,078.47
Maintenance of equipment	570,232.88	554,996.77
Conducting transportation	2,581,384.08	2,710,142.98
General expenses	185,106.61	203,359.26
Total Operating Expenses	$3,976,638.17	$4,163,577.48
Net receipts, taxes not deducted	$2,716,657.25	$2,992,383.84
Taxes	300,129.36	307,689.40
Net Receipts, Taxes Deducted	$2,416,527.89	$2,684,694.44
Miscellaneous Income—		
Interest on bonds owned	$ 220,200.00	$ 219,795.00
Dividends on stocks owned	14,032.00	.....
Other miscellaneous income	12,059 83	47,522.01
Total	$ 246,291.83	$ 267,317.01
Fixed and Other Charges—		
Interest on bonds	$ 594,533.05	$ 653,729.03
Sinking fund gold bonds redeemed	30,193.75	34,685.17
Rental of leased lines	420,250.00	420.000.00
Other charges	32,314.74	.....
Total	$1,077,291.54	$1,108,414.20
Dividends Paid—		
Preferred stock, 7 per cent	$243,565.00	$ 243,565.00
Common stock, 7 per cent	$1,312,577.00	$1,312,577.00
Surplus	$29,386.18	$287,455.25
Revenue per mile of road operated	$7,934.72	$8,483.25
Expenses and taxes per mile of road operated	$5,069.99	$5,300.60
Net receipts	$2,864.73	$3,182.65
Ratio of expenses to receipts	59.41	58.18
Ratio of expenses and taxes to receipts	63.90	62 47
Fixed and other charges per mile of road operated	$1,189.21	$1,227.31
Passengers—		
Number carried	1,986,270	2,244,227
Number carried one mile	104,879.347	115,764,145
Number carried one mile per mile of road	124,332	137,236
Number carried per train mile	44.48	48.61
Average distance carried, miles	52.80	51.60
Receipt per passenger	$ 1.07	$ 0.99
Receipt per passenger mile	cents 2.03	cent 1.92
Receipt per train mile	$1.09	$1.13
Expense per passenger	$0.94	$0.85
Expense per passenger mile	cent 1.79	cent 1.66
Expense per train mile	$0.79	$0.80
Net receipt per passenger	$0.13	$0.14
Net receipt per passenger mile	cent 0.24	cent 0.26
Net receipt per train mile	$0.30	$0.33
Freight—		
Number of tons custom freight moved	2,838,516	3,251,585
Number of tons custom freight moved one mile	496,200,451	557,469,083
Number of tons custom freight moved one mile per mile of road	588,243	660,869
Average distance carried, miles	174.81	171.44
Average number of tons per loaded car	12.66	13.36
Average number of tons per train mile	180.50	205.36
Receipt per ton	$1.45	$1.37
Receipt per ton per mile	cent 0.83	cent 0.80
Receipt per train mile	$1.49	$1.65
Expense per ton	$0.84	$0.78
Expense per ton mile	cent 0.48	cent 0.46
Expense per train mile	$0.87	$0.94
Net receipt per ton	$0.61	$0.61
Net receipt per ton mile	cent 0.35	cent 0.34
Net receipt per train mile	$0.62	$0.71
Passenger train mileage	2,358,359	2,381,421
Freight train mileage	2,748,911	2,708,003
Loaded freight car mileage	39,195,666	41,730,535
Empty freight car mileage	18,776,928	21,084.032
Caboose mileage	2,779,374	2,750,638
Total freight car mileage	60,751,968	65,565,205
Percentage of empty car mileage	32.40	33.57

TABLE E.

STATEMENT OF PASSENGER TRAFFIC.

Month.	No. of pass. carried.	Receipts.	No. of pass. carried one mile.	Average No. of miles each pass. carried.	Average receipt per mile.	Average receipt per pass. per mile in cents.
January...1899	150,400	$ 154,308.58	7,595,894	50.50	$1.02	2.03
February.	125,881	139,507.11	6,284,107	49.92	1.11	2.22
March.....	158,041	165,420.64	7,309,626	46.25	1.05	2.26
April.....	289,702	170,098.22	9,094,546	31.39	0.59	1.87
May.....	181,370	174,911.75	8,281,311	45.65	0.97	2.11
June	164,465	183,104.56	9,570,806	58.19	1.11	1.91
July.....	180,712	190,611.78	9,584,176	53.03	1.05	1.99
August.....	203,163	223,938.36	11,523,852	56.72	1.10	1.94
September.....	240,040	222,973.25	13,212,463	55.04	0.93	1.69
October.....	187,685	211,064.77	12,666,607	67.48	1.12	1.67
November.....	163,997	187,594.95	9,068,214	55.29	1.14	2.07
December	198,771	203,198.57	11,572,543	58.22	1.02	1.76
Totals. 1898	1,986,270	$2,123,563.74	104,879,347	52.29	$1.07	2.03
Totals. 1899	2,244,227	$2,226,732.54	115,764,145	51.60	$0.99	1.92

TABLE F.

STATEMENT OF FREIGHT TRAFFIC.

Month.	No. tons hauled.	Receipts.	No. tons hauled one mile.	Average miles hauled.	Average receipt per ton.	Average receipt per ton per mile in cents.
January ...1899	291,029	$ 360,627.42	47,876,573	164.50	$1.24	.0075
February.....	261,269	337,804.53	42,073,409	161.11	1.29	.0080
March	254,652	346,438.19	43,930,195	172.51	1.36	.0079
April.....	219,598	303,696.39	38,384,567	174.80	1.40	.0079
May	202,593	301,678.27	34,746,023	171.50	1.49	.0087
June	224,184	320,202.04	37,360,549	166.65	1.43	.0086
July	225,721	316,735.00	40,797,608	180.74	1.40	.0078
August.....	276,284	378,267.00	45,321,839	164.04	1.37	.0083
September	316,431	430,768.00	54,330,957	171.69	1.36	.0079
October.....	339,126	448,375.05	59,287,487	174.82	1.32	.0076
November.....	334,854	443,781.10	55,870,138	166.85	1.32	.0079
December	305,844	466,557.15	57,489,738	187.97	1.52	.0081
Totals 1898	2,838,516	$4,109,934.24	496,200,451	174.81	$1.45	.0083
Totals 1899	3,251,585	$4,454,930.14	557,469,083	171.44	$1.37	.0080

TABLE G.

PERFORMANCE OF LOCOMOTIVES.

	1894	1895	1896	1897	1898	1899
Number of miles made by engines:						
Passenger	2,227,746	2,348,636	2,442,363	2,424,811	2,408,798	2,422,177
Freight	2,723,164	3,044,563	3,315,092	3,401,871	2,893,022	2,960,555
Switching	885,965	858,893	867,727	893,353	838,557	878,586
Construction	29,314	28,701	39,366	53,904	26,961	186,663
Total miles	5,866,189	6,280,793	6,664,548	6,773,939	6,167,338	6,447,981
Average number of freight cars hauled per mile run	22.14	21.83	22.00	21.76	20.97	20.69
" " " passenger " " " " "	5.12	5.24	5.10	4.98	4.96	5.03
Pounds of waste used	47,509	46,352	43,363	36,913	34,973	36,832
Gallons of lubricating oil used	35,913	36,270	33,623	35,062	37,520	44,626
Tons of coal used	253,169	296,049	317,103	324,163	295,724	346,658
Value of oil and waste	$ 16,860.64	$ 14,422.02	$ 13,770.99	$ 13,541.15	$ 13,756.01	$ 16,331.35
" " coal	261,718.74	275,997.86	278,978.27	330,364.06	261,475.79	311,992.21
Wages, engineers and firemen	367,536.29	396,324.84	418,893.94	428,127.35	386,769.62	399,146.85
Repairs of engines	214,636.36	238,135.26	265,212.35	242,268.25	232,276.38	213,359.60
Water supply	29,523.78	31,111.08	30,786.90	30,705.29	28,147.86	25,354.52
Superintendence, cleaning engines, and other expenses	77,145.48	77,552.31	77,819.12	76,770.34	72,880.10	73,679.17
Total cost	$ 967,421.29	$1,033,543.37	$1,085,461.57	$1,121,776.44	$ 995,305.76	$1,039,863.70
Cost per mile of oil and waste	Cents, 0.29	Cents, 0.23	Cents, 0.21	Cents, 0.20	Cents, 0.22	Cents, 0.25
Coal	4.46	4.39	4.18	4.87	4.24	4.83
Wages of engineers and firemen	6.26	6.31	6.28	6.32	6.27	6.18
Repairs	3.66	3.79	3.97	3.57	3.76	3.31
Water supply	0.50	0.49	0.47	0.45	0.45	0.39
Superintendence and expenses	1.31	1.24	1.17	1.13	1.18	1.14
Total cost per mile run	Cents, 16.48	Cents, 16.45	Cents, 16.28	Cents, 16.54	Cents, 16.12	Cents, 16.10
Miles run to a pint of oil	20.41	21.30	24.77	24.14	20.54	18.06
" " " " ton of coal	23.17	21.21	21.02	20.89	20.82	18.06
Pounds of coal per mile run ... freight	98.63	108.73	109.36	108.54	108.82	113.04
" " " " " " ... passenger	72.42	77.35	78.63	79.12	81.38	84.48
" " " per 100 tons of freight hauled one mile	111.09	119.59	119 39	114.71	115.16	116.08

TABLE H.

ROLLING STOCK EQUIPMENT.

DESCRIPTION.	Equipment Dec. 31, 1898.	Destroyed or changed in 1899.	Added 1899.	Equipment Dec. 31, 1899.
	232	71	47	208
LOCOMOTIVES—				
Dec., '98. Dec., '99.				
Passenger .. 53 51				
Freight 139 124				
Switching .. 40 33				
232 208				
PASSENGER CARS—				
Coaches	56	2		54
Baggage	30			30
Mail	11			11
Baggage and mail	3			11
Chair	29	3		26
Combination	14			6
Dining	3			3
Officers and pay	2			2
"Alton limited"			10	10
	148	5	10	153
FREIGHT CARS—				
Box	2,983	255	1,000	3,728
Box furniture	125	2	86	209
Box refrigerator	122	4		118
Stock	990	319		671
Coal	1,731	7	160	1,884
Flat	301	30		271
	6,252	617	1,246	6,881
SERVICE CARS—				
Cabooses	109	4		105
Tool cars	5			5
Boarding	6			6
Wrecking	3			3
Derrick	1			1
Leveler			2	2
Pile driver	1			1
Ditcher			2	2
	125	4	4	125

TABLE I.

STATEMENT OF CAPACITY OF FREIGHT EQUIPMENT.

Description.		No.	Total light weight. Pounds.	Average light weight. Pounds.	Total capacity. Tons.	Average capacity. Tons.
Box	Dec. 31, 1898	2983	70,457,290	23,619	61,970	20.77
	Dec. 31, 1899	3728	93,928,020	25,195	89,465	24.00
Furniture	Dec. 31, 1898	125	4,058,750	32,470	3,125	25.00
	Dec. 31, 1899	209	7,588,610	36,309	5,655	27.06
Refrigerator	Dec. 31, 1898	122	4,228,800	34,662	2,440	20.00
	Dec. 31, 1899	118	4,102,790	34,769	2,360	20.00
Stock	Dec. 31, 1898	990	24,324,780	24,550	23,375	23.90
	Dec. 31, 1899	671	16,759,230	24,976	14,905	22.29
Coal	Dec. 31, 1898	1731	38,513,680	22,250	41,390	23.91
	Dec. 31, 1899	1884	43,582,580	23,133	49,310	26.17
Flat	Dec. 31, 1898	301	5,806,090	19,289	6,120	20.33
	Dec. 31, 1899	271	5,249,210	19,370	5,585	20.61
Total	Dec. 31, 1898	6252	147,389,390	23,575	138,420	22.19
	Dec. 31, 1899	6881	171,210,440	24,882	167,280	24.33
Increase		629	23,821,050	1,307	28,860	2.14
Per cent		10.06	16.16	5.55	20.85	9.64

TABLE J.

MOVEMENT OF FREIGHT TRAINS.

	1898			1899		
	East Bound.	West Bound.	Total.	East Bound.	West Bound.	Total.
Number of trains.	15,901	15,849	31,750	15,797	15,575	31,372
Train mileage	1,380,128	1,368,783	2,748,911	1,364,020	1,343,983	2,708,003
Number of cars moved—						
Loaded	332,479	208,863	541,342	356,424	219,356	575,780
Empty.....	111,600	212,396	323,996	119,669	224,373	344,042
Total	444,079	421,259	865,338	476,093	443,729	919,822
Car mileage—						
Loaded.....	23,586,027	15,609,639	39,195,666	25,551,507	16,179,028	41,730,535
Empty, including caboose...	6,733,620	14,822,682	21,556,302	7,248,123	16,586,547	23,834,670
Total	30,319,647	30,432,321	60,751,968	32,799,630	32,765,575	65,565,205
Average number of cars handled per train mile—						
Loaded	17.09	11.40	14.25	18.74	12.04	15.41
Empty	4.87	10.82	7.85	5.31	12.34	8.80
Total	21.96	22.22	22.10	24.06	24.38	24.21
Percentage of car mileage—						
Loaded.....	77.79	51.29	64.52	77.92	49.38	63.65
Empty	22.21	48.71	35.48	22.08	50.62	36.35